

SWIMMING DONT'S

Do not swim dog-fashion. That is, dig down through the water with the hands. After the arms have been extended, move them

Too much seriousness in the water is like a man who has just learned of the sudden demise of his mother-in-law at a ball. On the other hand, too much levity is like some men at their mother-in-law's funeral.

Noted Swimmer All His Life Won a Prize at 5 Years of Age in Queen Victoria's Presence. zontal behind. In this position raise | but do not show the ordinary swimmer BY G. L. KELLER.

ded in amagsing the youngest all have been world awimlives. This family has a standing chal-lenge to the world that it can beat any other team of nine swimmers. "All there is to Anetic' Kellerman is her figure. Were it not for that she wouldn't amount to much." For two years of his early fife amateur champion of Australia and later cham-pion of the world from 100 yards to one mile instructor in swimming in all of any great amount of this world's

her

outward and away from the body horizontally

Do not splash the water with the feet. Bring the knees under the stomach and extend them backward wide apart and bring the knees

and ankles gradually together.

Don't try to swim with the body. Use the arms and legs.

SHALL only attempt in this article | that practice enables men to to treat of the fundamental prin-SHALL only attempt in this article to treat of the fundamental prin-ciples of the art of swimming. No attempt will be made to teach here the hundreds of fancy strokes, which can be mastered after one has learned to swim right. If beginners and those who have learned wrong will follow

can begin. . . . Do not hesitate. You must start right off. Place the elbows against right oil. Place the cloves against the sides with the tips of the fingers touching in front of the chest. Ex-tend the arms forward as if trying to touch something just out of reach. The paims should be acouward and the fir-gers even. When the arms have been fully extended forward, bring them hands outward in the hands outward. cliptes of the art of swimming. No hit is used and there is a reasonable around and grapping the made to teach here the human back grapping the source are different motion to more about and trans of the source is the theman back grapping but owners. It is the trans the different motion to more about and trans of the source is the trans the different motion to more about and the trans the different motion to more about and trans to transhould be the same of the source is the transmotter in the different motion to more about and transmotter is to trans about and transmotter in the source is to transmotter in the source is the transmotter is to transmotter in the source is the transmotter in the source is the s

xontal behind. In this position raise, the legs almost to the surface. Draw the knees under the body, keeping them wide apart. Shot the legs out while they are spart, bring them together during the process, describing a quar-ter circle. When they have been ex-tended behind with a quick, vigorous motion, the ankles and knees should be together. Then draw in the knees again and repost this for some time After both the arm and leg movements without assistance, and make his first strempt. The arm and leg movements danger whatever in holding a person in this position, for, struggle as he may, he cannot reach around and grapple with his rescuer. This is shown in the illustration. In case the drowning per-son has no clothes on, quietly come to the back of him, place the arm around his neck, with the forearm well under bis chin. Hold the person close to

goods; I have not been a prominent figure in the world-wide peace movement. neither have I gained laurels as an orator or a great statesman, but I am satisfied with my place in life and what I have accomplished for humanity. I have been fortunate enough to be in a place where I could save the lives of asveral people from drowning and have taught other how to do the same thing and keep from drowning themselves and I am satisfied. All of us can't be experts in everything and I have tried to master one of the world's arts and have reasons

averything and 1 have thed to makter
one of the world's arts and have reasons
to believe I have succeded."
Tasked Arthur Cavill what he wanted
to say as an introductory statement to principles of the art of swimming and he spoke the above words.
Th his way Cavill is a character. He is one of the great mass of migratory beings of earth, who move from spot to spot because their vocation is such that they can always do better elsewhere until finally the habit grows on them until roaming is a part of their husiness. It offers new fields for conquest and adven-ture.
The great Cavill family of which he is a member, is accounted the greatest swimming family in the world. There are mine children and from the oldest to

pion of the work from the path of the mile, instructor in swimming in all of the principal athletic and aquatic clubss of the world, including the famous Bath Club of London and now instructor of swimming at Multhounah Amateur Athe-letic Club, such is the record of Pro-fessor Cavill, at that he is only 22 monte old

years old. Cavili holds two of the greatest life-

NATURAL RESOURCES OF THE COUNTRY

Bulletins Giving Accurate Information Furnished Pres by the Geological Survey's Portland Office.

THE United States Geological Survey [25 cents each, with a discount of 40 per is making a study of the natural cent on an order of 24 or more follos. To

The making a study of the natural resources of the country. The re-sults of these investigations appear in published form and are always available to the public through the publications of the survey. Arrangements have recently been made

Arrangements have recently over house whereby all publications pertaining to the Pacific Northwest are placed for sale and distribution at the district engineer's of-fice in Portland 306 Tilford building, cor-ner Tenth and Morrison.

distribution at the district engineer's office in Portland 300 Thiord building, corner Tenth and Morrison.
 Toblications of the survey consist of hulleitins, water supply papers profession of papers mineral resources topographic these and geologic folios are sold at cost. Other publications are delivered to the office at Washington, D. C. from a presentatives and Senators in Comparable of the Superintendent of t

otsina-Chitina Region, Alaska. Bulletin 375-The Forty-Mile Quadrangie, Yukon-Tanana Region, Alaska. Bulletin 276-Peat Deposits of Maine. Bulletin 278-Results of Purchasing

oal Under Government Specifications. Builetin 279-Chapters B to F inclusive. Mineral Resources of Alaska. This is a report of the progress of investigations in 1908 and contains the results of studies of the mineral resources of this very in-teresting territory, sub-divided as fol-lows: Chapter B treats of Southeastern Alaska; Chapter C, Prince William Sound, Kenal Peninsula, Southwestern Alaska; Chapter D, Copper River Region; Chapter E. Fairbanks, Yukon-Tanana and

Yukon Regions; Chapter F. Seward Pen-Bulletin 280-Contributions to Economic

Bulletin 580-Contributions to Economic Geology in 1908. The following advance chapters have been received to date: A. Gold and Silver; B. Investigations Relat-ing to Copper; C. Investigations Relating to Lead and Zinc; E. Investigations Relating to Lead and Zinc; E. Investigations Re-lating to Iron and Manganese; H. Inves-tigations Relating to Asphalt; J. Investi-gations Relating to Coment and Concrete Materials; L. Investigations Relating to Salines.

Salines chapters from the report of minesal re-sources of the United States for 1908. treating of the Production of Slate and

folk, Va., 1907-8. Water Supply Papers. The results of investigations of the Water Resources Branch of the United

States Geological Survey are published in form of Water Supply Papers and are distributed free of charge. The following papers are on hand for distribution: Water Supply Papers 133, 134 and 135, contain stream flow data for the calendar year 1904. No, 132 treats of the Colorado River and part of the Great Basin drain-age; No, 134 of the Great Basin and Pa-cifio Ocean drainages in California; No. 135 of the Columbia River and Pugot Sound drainage basins.

135 of the Columnia River and Yose Sound Grainage basins. Water supply papers 176, 177 and 178, contain stream flow data for the calendar, year 1966 No. 176 treats of the great basin drainage: No. 177 of the great basin and Pacific Ocean drainage in California, and Colorado River drainage below Gila River: No. 178 of the Columbia River and Durant Sound drainage basins.

River: No. 178 of the Columbia River and Proget Sound drainage basins. Water supply papers 212 and 212 contain the stream. flow data for the calendar year 1906. No. 213 treats of the great basin and Pacific Ocean drainages in California and Lower Colorado Biver drainage.

drainage. No. 214 contains the stream flow data

No. 114 contains the stream how date for the Columbia River and Puget Sound drainage basins, and Pacific Ocean drainage in Orego. for 1906 The survey's stock is exhausted but the paper can be purchased from the superintendent of

United States Fuel-Testing Plant, Nor- South-central Oregon lying mainly with-

South-central Oregon lying mainly with-in Lake County. No. 231 4s a similar re-port on the Harney basin region. Water supply paper 234, some desert watering places in Southeastern Califor-mia and Southwestern Nevada. This is a very interesting description of the famous Death Valley and adjoining country. Water supply paper 228 contains the results of stream flow investigations in Yukon-Tanana region, Alaska, for 1907 and 1908, Including Fairbanks, circle and Rampart districts. Rampart districts.

Rampart districts. Water supply paper 22, treats of the disinfection of sewage and sewage filter effuents, with a chapter on putrescibility and stability of sewage effuents.

and snability of sewage entuents. In addition to the foregoing publica-tions there are on hand a few copies of professional paper No. 58 which is a very interesting geologic report on the miocene of Astoria and Coos Bay, Or.

Orders for topographic atlas sheets and geologic follos must be accompanied by money order, draft or cash (the exact

by money diver, the publications should state specifically the publication desired. All communications should be addressed to J. C. Stavens, district en-gineer, United States geological survey,

Portland, Or.

CONVICTS HAVE GOLD MINE

Penal Settlement Has Useful Ad-

where they have successfully pegged their claim. The convicts, in turn, escape from the settlement by twos or threes and re-main hidden for a day or two; they then return with their pockets full of nui-gets, and have a great time. Others get away in their turn, but come back even-tually also with gold. The mine is thus kept regularly work-ing by shifts of convicts. The hitter-when they return to the settlement, are regularly sentenced to a few diays im-prisonment for a basence without leave. but this is a low price to pay for a share

but this is a low price to pay for a share in a gold mine. Where the latter is, the authorities have never yet been alfe to

discover. AERO LABORATORY PLANNED

France to Have \$1,000,000 Experi-

PARIS, Aug. 14.-(Special.)-It is pro-posed to build an aero-technical labo-ratory in France. The total cost is sati-mated at \$1,000,000. M. Deutsch de la Meurthe's donation of \$100,000 is to stand as the first of what is hoped to be a long list of subscriptions, and the fund thus acquired is to be placed under the control of a joint committee, consisting of several members of the Academy of Science and an equal number of leading engineers.

Materials, L. Investigations Relating to Salines. There are also in hand two advance chapters from the report of unness in two advance chapters from the report of unness in the superintendent of be purchased from the superintendent of documents. There are also in hand two advance chapters from the report of unness in two advance chapters from the report of unness in two advance chapters from the report of shates for 1906. There are also in hand two advance chapters from the report of shates for 1906. Bulletin 385-Briquetting Tests at the Science and an equal number of leading innot in Jungles. Science and an equal number of leading the purchased from the superintendent of documents. Water supply papers 20 and 221 con-theretofore neglected territory. Central pressing of the production of Shate and Phosphate Rock. Bulletin 385-Briquetting Tests at the

tional Fete in Paris.

PARIS, Aug. 14 .- (Special)-Some ultra-PARIS, Aug. 14-(special)-Some ultra-exact statistician has calculated that on the day of the National Fets, July 14. there were 2663 open-air balls in Paris. Over \$,000,000 dancers expended enough energy to carry a 500-ton train more than 1000 miles at a speed of 20 miles an hour In the course of their twirlings these 4,000,000 couples covered a distance of 855-556 miles.

There are few prettier sights in Paris than the open-air ball. Decorum is ab-solute; there is even an etiquette. Though source: there is even an eligibetic. Induct the castul comer may ask the lady of his choice for a dance, the latter is quite at liberty to refuse and to give her arm to another without giving ground for of-fence. The little "Midjinette" is the fence. The little "Midjinello" is the graceful creature, and her evolutions, un-der the soft glimmer of the paper lan-terns, not only représent the poetry of motion, but bear witness to her charm and "sayoir-faire." To the Paris popula-and "sayoir-faire." To the Paris popula-

ment Station for Aviation. PARIS, Aug. 14 .- (Special.)-It is pro-

